

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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Marsha S. McLaughlin, Director

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TECHNICAL STAFF REPORT Planning Board Meeting of June 5, 2014

Plan:

SDP-08-108, Lake Kittamaqundi Restoration Project

Redline Revision, Lake Kittamaqundi Multi-Use Trail

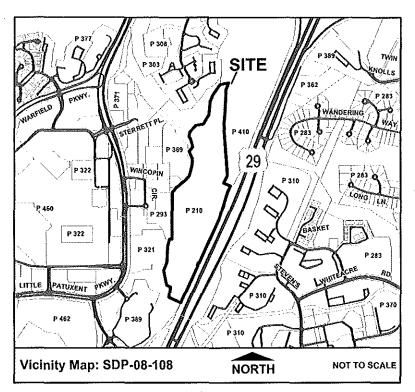
Petitioner:

Columbia Association

Request: The request is for Planning Board approval of a redline revision of Site Development Plan SDP-08-108. The redline revision consists of construction of the Lake Kittamaqundi Multi-Use Trail.

DPZ Recommendation: Approval.

Location: The proposed Lake Kittamaqundi Multi-Use Trail is located at the northern end of Lake Kittamaqundi in Columbia Town Center. The property is zoned as NT – OS (New Town - Open Space) and is 39.8 acres in area. Vicinal properties are occupied by commercial and residential uses and the US29 right-of-way is located east of the project.



Vicinity Map SDP-08-108, Lake Kittamaqundi Multi-Use Trail

Technical Staff Report, SDP-08-108 (Redline Revision) Planning Board Meeting of June 5, 2014 Page 2 of 3

Site History:

- 01/07/2010: Site Development Plan SDP-08-108, Lake Kittamaqundi Restoration approved by the Department of Planning and Zoning. Scope of work included maintenance dredging, wetland creation and dam repair.
- 03/31/2014: Redline revision to SDP-08-108 submitted to DPZ for construction of Lake Kittamaqundi Multi-Use Trail.
- 04/14/2014: Petitioner notified that redline revision to SDP-08-108 was approved subject to Planning Board approval.

Site Improvements - Proposed site improvements include construction of a ten-foot wide paved trail from the existing paved trail located on the eastern side of Lake Kittamaqundi, circumventing the northern end of the lake, and meeting the existing paved trail located on the western side of the lake. The paved trail will follow the alignment of existing dirt, gravel and grass trails currently in use. The trail includes a timber boardwalk at the northern end of the lake to cross low-lying areas and an existing stormwater management facility outfall structure. The project includes placement of an imbricated riprap wall along the western bank of the Little Patuxent River to protect the trail from stream erosion.

Environmental Considerations – The entire project is located within the 100-year floodplain and portions are located within the stream buffer and wetland buffer. The Department determined that impacts to the stream buffer and wetland buffer resulting from the project are necessary in accordance with Subsection 16.116(c)(1) of the Howard County Code.

Forest Conservation – In accordance with Subsection 16.1202(b)(iv) the plan is exempt from forest conservation requirements. Few if any forest resources will be impacted sincé the project utilizes the alignment of existing trails.

Landscaping - The project complies with the Howard County alternative compliance provision of the Howard County Landscape Manual since existing site conditions will essentially remain unchanged and vegetation adjacent to the trail will be retained.

Evaluation and Conclusions – Site Development Plan complies with all applicable requirements of Final Development Plans FDP-023 and FDP-107-A-III as follows:

• Setback Requirements (Criterion 6):

Setback requirements imposed by the final development plans do not apply to this project since no structures are proposed.

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Permitted Land Uses (Criterion 7):

In accordance with the final development plans all open space land uses including, but not limited to, pedestrian and bicycle pathways are permitted. The project therefore complies with this criterion.

Height Limitations (Criterion 8):

No height limitations are imposed upon structures for uses in Open Space Land Use Areas provided the proposed improvements are approved by the Planning Board. Since no structures are proposed the height limitation does not apply.

Parking Requirements (Criterion 9):

No parking requirements are imposed on uses within Open Space Land Use Areas. The imposition of parking requirements is optional under FDP-023, however since the trail utilizes the bed of an existing path and connects two existing trails it is felt that no additional parking is needed.

SRC Action: The DPZ, Development Engineering Division, by memorandum dated April 14, 2014, notified the petitioner that the site development plan revision may be approved, subject to Planning Board approval.

The file for this project is available for public review at the Department of Planning and Zoning's public service counter, Monday through Friday, 8:00 a.m. to 5:00 p.m.

Recommendation: The DPZ recommends approval of the redline revision of Site Development Plan SDP-08-108.

Marsha S. McLaughlin, Director

Department of Planning and Zoning

MSM:DBB:dbb

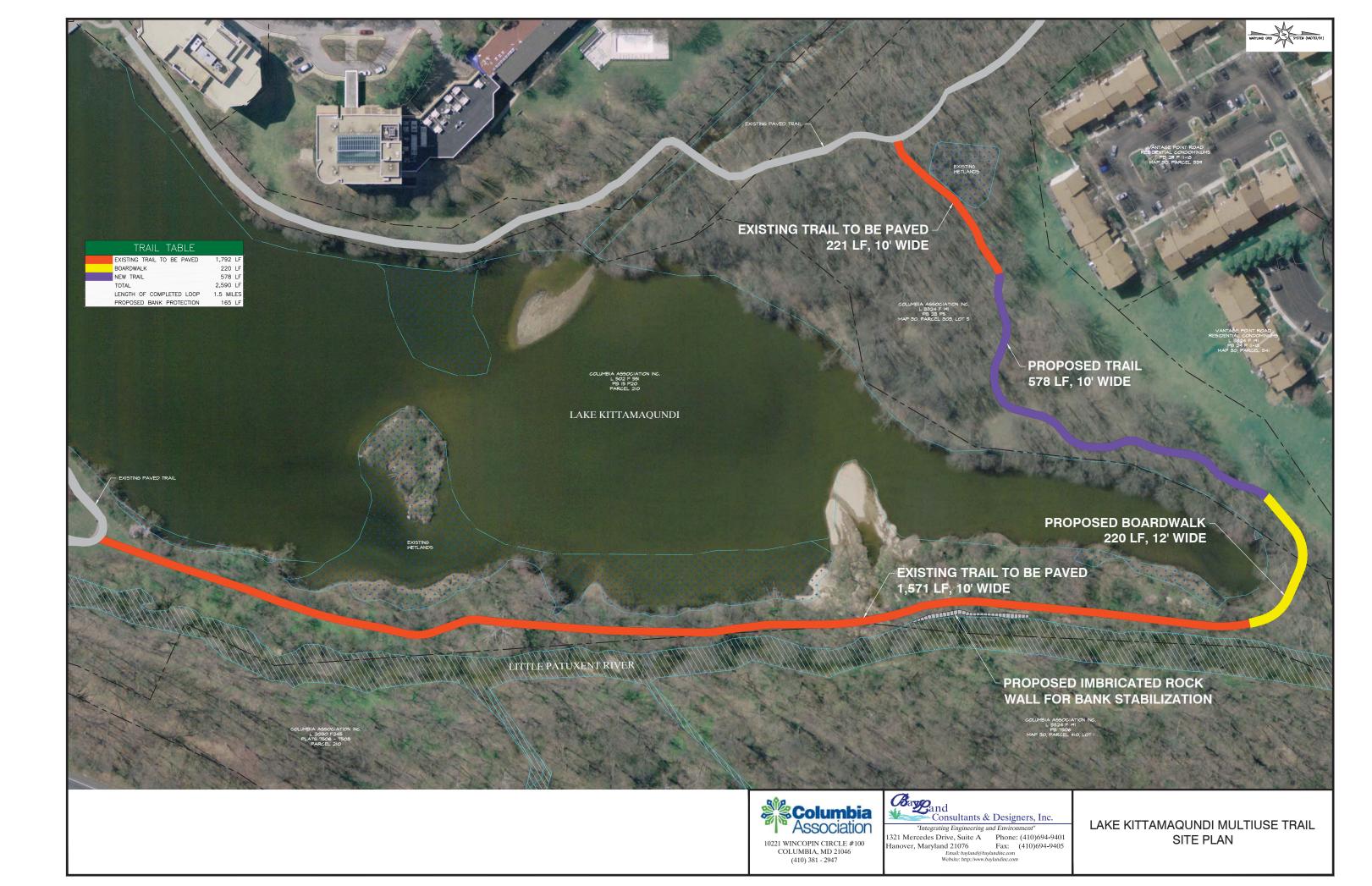


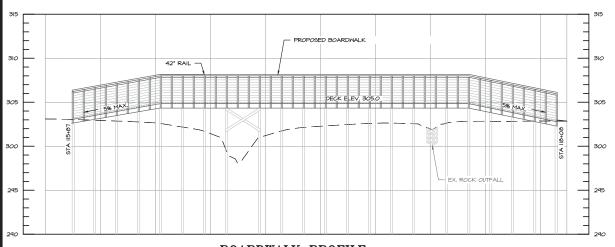


1321 Mercedes Drive, Suite A Phone: (410)694-9401
Hanover, Maryland 21076 Fax: (410)694-9405

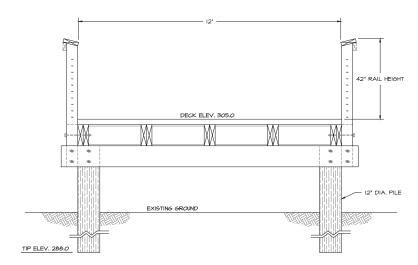
Email: bayland@baylandinc.com
Website: http://www.baylandinc.com

OVERALL SITE PLAN





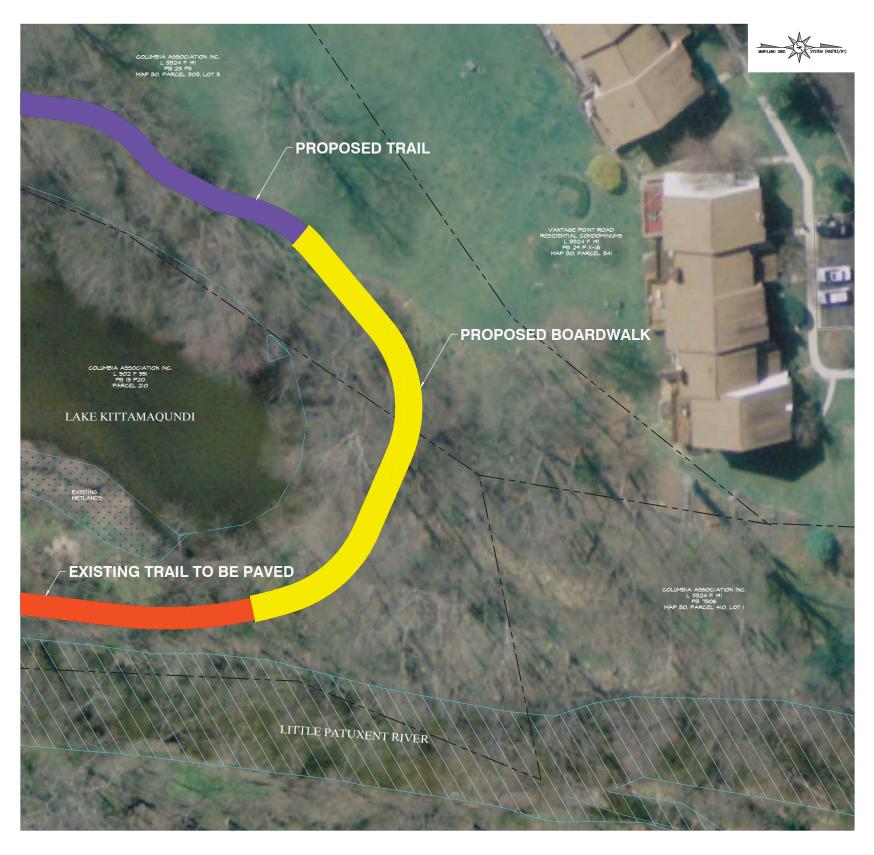
BOARDWALK PROFILE



BOARDWALK SECTION VIEW



TYPICAL STAINLESS STEEL CABLE RAILING







1321 Mercedes Drive, Suite A Phone: (410)694-9401
Hanover, Maryland 21076 Fax: (410)694-9405

Email: bayland@baylandinc.com
Website: http://www.baylandinc.com

LAKE KITTAMAQUNDI MULTIUSE TRAIL BOARDWALK DETAILS

LAKE KITTAMAQUNDI MULTIUSE TRAIL **CONSTRUCTION DRAWINGS**

COLUMBIA ASSOCIATION HOWARD COUNTY, MARYLAND

GENERAL NOTES

- HORIZONTAL AND VERTICAL SURVEY CONTROLS:
 THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS
 PROJECTED BY HOWARD COUNTY SEDDETIC CONTROL STATIONS HOWARD CO. BM 30 BA AND BM 36 EA. ALL VERTICAL
 CONTROLS ARE BASED NAVID 88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE BM 30 BA AND BM 36 EA.
- 3. CONTOURS SHOWN OUTSIDE OF LIMIT OF WORK ARE BASED ON HOWARD COUNTY 2011 GIS TOPOGRAPHY
- 4. PROPERTY LINES SHOWN ARE BASED ON HOWARD COUNTY 2012 CADASTRAL DATA.
- 5. WETLAND DELINEATION WAS PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS, INC. ON JUNE 16TH 2013.

- 8. RIPRAP SHOWN IN PLAN VIEW AND PROFILE ARE SYMBOLIC AND DO NOT REPRESENT INDIVIDUAL STONES.
- 9 THE SITE IS WITHIN THE LITTLE PATLIXENT RIVER WATERSHED
- FOR DETAILS, MATERIALS, AND CONSTRUCTION METHODS NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL REFER TO HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY VOLUME IV ON SITE AT ALL TIMES.
- 11. THIS PLAN IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS UNDER SUBSECTION 16.1202(b)(1)(iv) SINCE IT IS PART OF A PLANNED UNIT DEVELOPMENT WHICH HAD PRELIMINARY PLAN APPROVAL AND 50% OR MORE OF THE LAND WAS RECORDED AND SUBSTANTIALLY DEVELOPED BEFORE DECEMBER 31, 1992.
- 12. LANDSCAPING FOR THIS PLAN IS PROVIDED BY ALTERNATIVE COMPLIANCE BASED ON EXISTING SITE CONDITIONS AND VECETATION.
- 13. THIS PLAN IS SUBJECT TO WAIVER PETITION WP-14-079, APPROVED ON FEBRUARY 18, 2014. WP-14-079 APPROVES A WAIVER TO SUBSECTIONS 16.115(c)(2), 16.116(c)(1), AND 16.116(c)(2)(iii) WHICH IS SUBJECT TO THE FOLLOWING CONDITIONS:

 a. HOWARD COUNTY APPROVAL OF REDILINE REVISION NO. 3 TO 590-08-108

 b. STATE AND FEDERAL AUTHORIZATION OF REGULATED ACTIVITIES

 c. OBTAIN ALL REQUIRED PERMITS FROM THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS,

 d. OBTAIN ALL NECCESSARY PERMISSION AND AGREEMENTS FROM THE MARYLAND STATE HIGHWAY ADMINISTRATION (SHA)
 FOR THE PORTIONS OF THE PATHWAY LOOP LOCACED WITHIN THE US ROUTE 29 RIGHT-OF-WAY

Date

Date

Date

STORMWATER MANAGEMENT NOTE

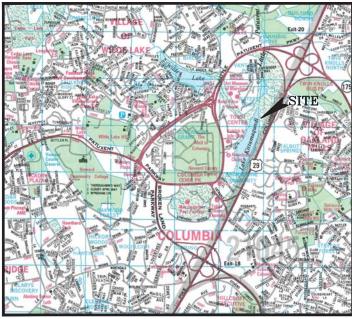
APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division

Chief, Division of Land Development

Director

STORMWATER MANAGEMENT REQUIREMENTS WILL BE PROVIDED FOR THE PROPOSED PAYED TRAIL AS SHOWN ON THIS PLAN VIA NON-ROOFFOR PISCONNECTION IN ACCORDANCE WITH THE CURRENT HOWARD COUNTY DESIGN MANUAL, VOLUME I: STORM DRAINAGE, CHAPTER 5: STORMWATER MANAGEMENT. A WINDIFFER STORMWATER MANAGEMENT. A WAS APPROVED ON JANUARY 13, 2014.



LOCATION MAP

LEGEND

TRAVERSE	E POINT	\triangle	PROP. PATH		
EX. SPOT	SHOT	X ELEV			
EX. BOU	NDARY		PROP. BOARDWALK		
EX. MINO	R CONTOUR				
EX. MAJO	OR CONTOUR	300-	PROP. IMBRICATED ROCK WALL		
EX. ROAD)		PROP.	***************************************	
EX. TREE	LINE	~~~~~	CONSTRUCTION ACCESS		
EX. VEGE	TATED BUFFER		LIMIT OF DISTURBANCE	LOD	
EX. WATE	RS OF THE U.S.		SILT FENCE	SF	
EV 100	-YR FEMA FLOODPLAIN	WUS	TURBIDITY CURTAIN	тс	
EX. 100-	- IR FEMA FLOODFLAIN		TEMPORARY ACCESS	$\overline{}$	
EX. 15' WETLAND	NON-TIDAL BUFFER		BRIDGE	TB	
EX. NON-	-TIDAL WETLANDS				

PROJECT INFORMATION

COLUMBIA ASSOCIATION
CONTACT: DENNIS MATTEY
9450 GERWIG LANE COLUMBIA, MD 21046 410-381-0591
BAYLAND CONSULTANTS AND DESIGNERS, INC.
1321 MERCEDES DRIVE, SUITE HANOVER, MARYLAND 21076 PH: 410-694-9401
0036
0210
03324/00191
15
15-010657
OPEN SPACE
NEW TOWN
39.8± ACRES
LITTLE PATUXENT RIVER

INDEX OF SHEETS

DRAWING NO.	SHEET NO.	SHEET	TITLE
K-01	47	MULTIUSE TRAIL -	COVER SHEET
K-02	48	MULTIUSE TRAIL -	KEY SHEET
K-03	49	MULTIUSE TRAIL -	DESIGN PLANS
K-04	50	MULTIUSE TRAIL -	DESIGN PLANS
K-05	51	MULTIUSE TRAIL -	DESIGN PLANS
K-06	52	MULTIUSE TRAIL -	DESIGN PLANS
K-07	53	MULTIUSE TRAIL -	DESIGN PLANS
K-08	54	MULTIUSE TRAIL -	CROSS SECTIONS & DETAILS
K-09	55	MULTIUSE TRAIL -	BOARDWALK DETAILS
K-10	56	MULTIUSE TRAIL -	BOARDWALK DETAILS
K-11	57	MULTIUSE TRAIL -	EROSION AND SEDIMENT CONTROL PLAN
K-12	58	MULTIUSE TRAIL -	EROSION AND SEDIMENT CONTROL PLAN
K-13	59	MULTIUSE TRAIL -	EROSION AND SEDIMENT CONTROL NOTES & DETAILS

SITE ANALYSIS

 TOTAL DISTURBED AREA: 	2.87 ACRES
TOTAL AREA TO BE STABILIZED: TOTAL EX. IMP AREA: TOTAL PR. IMPERVIOUS AREA: TOTAL STABILIZED CONSTRUCTION ACCESS TOTAL TO BE VEGETATIVELY STABILIZED:	2.87 ACRES 0.00 ACRES 0.55 ACRES 0.33 ACRES 1.99 ACRES
PROPOSED IMPERVIOUS AREA:	0.88 ACRES
4. ESTIMATED CUT:	620 CY
5. ESTIMATED FILL:	0 CY
NOTE:	

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 21194. EXPIRATION DATE: 04/20/2018

REVISED SITE DEVELOPMENT PLAN



COLUMBIA, MD 21046

Consultants & Designers, Inc.

'Integrating Engineering and Environment' 1321 Mercedes Drive, Suite A Phone: (410)694-9401 Hanover, Maryland 21076 Fax: (410)694-9405

BAYLAND JOB NO. 8 16202

LAKE KITTAMAQUNDI MULTIUSE TRAIL **COVER SHEET**

DRAWN BY: MKB DATE: 04/21/14

